

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY011000.D
 Acq On : 18 Oct 2022 17:30
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 18:07:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	259793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	418484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	373547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112534	47.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.040%		
35) Dibromofluoromethane	7.710	113	115280	49.392	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.780%		
50) Toluene-d8	10.179	98	422433	48.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.680%		
62) 4-Bromofluorobenzene	12.477	95	149631	48.234	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	80418	46.667	ug/l	98
3) Chloromethane	2.107	50	119107	48.177	ug/l	96
4) Vinyl Chloride	2.247	62	138281	49.348	ug/l	100
5) Bromomethane	2.644	94	91644	47.285	ug/l	99
6) Chloroethane	2.790	64	93496	49.930	ug/l	99
7) Trichlorofluoromethane	3.119	101	202482	49.369	ug/l	92
8) Diethyl Ether	3.521	74	74424	48.626	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	127526	49.570	ug/l	93
10) Methyl Iodide	4.088	142	157748	50.111	ug/l	90
11) Tert butyl alcohol	4.942	59	78558	295.558	ug/l	99
12) 1,1-Dichloroethene	3.869	96	121699	49.382	ug/l	83
13) Acrolein	3.723	56	90424	234.386	ug/l	98
14) Allyl chloride	4.473	41	195309	49.975	ug/l #	87
15) Acrylonitrile	5.155	53	198841	249.237	ug/l	98
16) Acetone	3.942	43	156588	225.325	ug/l #	86
17) Carbon Disulfide	4.186	76	336149	46.526	ug/l	99
18) Methyl Acetate	4.473	43	96523	49.336	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	345646	50.198	ug/l	97
20) Methylene Chloride	4.710	84	166347	55.640	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	138413	49.750	ug/l	88
22) Diisopropyl ether	6.112	45	432253	51.643	ug/l #	92
23) Vinyl Acetate	6.051	43	1331492	266.024	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	254933	50.446	ug/l	99
25) 2-Butanone	6.978	43	251946	239.062	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	224334	49.990	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	162308	50.619	ug/l	90
28) Bromochloromethane	7.326	49	98534	54.670	ug/l	89
29) Tetrahydrofuran	7.344	42	162803	251.082	ug/l #	86
30) Chloroform	7.502	83	260313	51.100	ug/l	98
31) Cyclohexane	7.783	56	213124	46.540	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	224433	50.121	ug/l	96
36) 1,1-Dichloropropene	7.911	75	192187	49.333	ug/l	97
37) Ethyl Acetate	7.070	43	109866	50.938	ug/l #	94
38) Carbon Tetrachloride	7.899	117	200261	49.799	ug/l	100
39) Methylcyclohexane	9.179	83	234257	50.205	ug/l	91
40) Benzene	8.155	78	569351	49.810	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	64172m	54.904	ug/l	
42) 1,2-Dichloroethane	8.234	62	158245	49.964	ug/l	91
43) Isopropyl Acetate	8.271	43	196519	50.996	ug/l #	90
44) Trichloroethene	8.935	130	152789	49.325	ug/l	95
45) 1,2-Dichloropropane	9.216	63	148039	51.045	ug/l	96
46) Dibromomethane	9.301	93	81346	50.289	ug/l	97
47) Bromodichloromethane	9.496	83	198143	50.831	ug/l	99
48) Methyl methacrylate	9.289	41	92304	53.521	ug/l #	82
49) 1,4-Dioxane	9.295	88	23786	1023.457	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	553570	257.580	ug/l	88
52) Toluene	10.240	92	361295	50.878	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	202619	50.035	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	233036	50.288	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	118083	50.602	ug/l	98
56) Ethyl methacrylate	10.508	69	162895	52.558	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	200808	50.050	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	395963	257.658	ug/l	97
59) 2-Hexanone	10.831	43	381062	258.127	ug/l	86
60) Dibromochloromethane	10.984	129	141366	50.946	ug/l	100
61) 1,2-Dibromoethane	11.087	107	111688	49.980	ug/l	100
64) Tetrachloroethene	10.715	164	146126	50.252	ug/l	97
65) Chlorobenzene	11.514	112	385778	50.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	144628	50.951	ug/l	97
67) Ethyl Benzene	11.593	91	697762	51.429	ug/l	98
68) m/p-Xylenes	11.703	106	534150	102.343	ug/l	95
69) o-Xylene	12.026	106	254329	51.318	ug/l	95
70) Styrene	12.044	104	434727	51.769	ug/l	96
71) Bromoform	12.209	173	89843	51.284	ug/l #	98
73) Isopropylbenzene	12.331	105	688170	51.495	ug/l	99
74) N-amyl acetate	12.142	43	174573	51.486	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	138616	49.424	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	122937m	58.868	ug/l	
77) Bromobenzene	12.605	156	155665	49.832	ug/l	99
78) n-propylbenzene	12.672	91	835000	51.355	ug/l	100
79) 2-Chlorotoluene	12.758	91	465739	50.862	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	565564	50.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	48150	49.588	ug/l	86
82) 4-Chlorotoluene	12.855	91	475227	49.845	ug/l	99
83) tert-Butylbenzene	13.075	119	499585	51.813	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	563635	51.262	ug/l	99
85) sec-Butylbenzene	13.251	105	745318	51.441	ug/l	100
86) p-Isopropyltoluene	13.367	119	617565	51.379	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	309958	49.718	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	305040	49.210	ug/l	98
89) n-Butylbenzene	13.696	91	583977	51.992	ug/l	99
90) Hexachloroethane	13.959	117	118626	50.008	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	276364	49.547	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22356	48.210	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	167749	50.321	ug/l	99
94) Hexachlorobutadiene	15.111	225	99607	50.762	ug/l	98
95) Naphthalene	15.233	128	355850	52.416	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	147601	50.753	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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